

Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 09 Dec 2023 until 23:59 on Sunday 10 Dec 2023
Forecast Issued on Friday 08 Dec 2023 at 14:23

Confidence: High for unsettled, lowering confidence in the detail of worst of the weather.

Headline for Saturday 09 Dec 2023: Overcast with periods of rain, heavy at times with hill fog quite extensive. Summit gales developing later.

Mountain weather hazards on Saturday 09 Dec 2023

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales Low Likelihood	Severe chill effect Low Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain Medium Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy Rain	Light rain	Light rain	Heavy Rain	Heavy Rain	Light rain	Heavy Rain	Heavy Rain
Precipitation probability							
70%	40%	70%	90%	80%	70%	80%	90%

Forecast for Saturday 09 Dec 2023

Weather: An overcast day with periods of rain frequently turning heavy.

Chance of cloud-free hill tops above 600m: 10% or less

Low Cloud and visibility: Moderate or poor in rain, very poor within cloud with bases from 500m generally extensive with best of the limited breaks in the east.

Forecast for Saturday 09 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/31 S	19/27 S	16/24 S	18/27 SE	18/27 SE	26/39 W	28/41 W	26/38 W	23/34 W
300	12/28 S	10/23 S	9/21 S	11/25 SE	10/23 SE	19/38 W	19/39 W	18/37 W	16/33 W
Valley	11/27 S	10/25 S	9/22 SE	12/27 SE	10/25 SE	16/35 W	17/37 W	17/35 W	15/32 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-2	3/-2	4/-1	4/-1	4/-0	5/-1	4/-3	4/-3	4/-2
300	6/2	5/2	5/2	6/3	6/4	7/2	6/1	6/1	6/1
Valley	7/4	7/4	7/4	7/4	8/6	8/4	7/3	7/3	7/3
Freezing Level*	1300m	1300m	1500m	1700m	1900m	1600m	1300m	1200m	1300m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Very difficult conditions with extensive hill fog strong and later gale force summit winds bringing severe wind chill at height.

Recent rainfall: measured at Malham: altitude 375m

Recorded at
15:00 on Fri 08 Dec 2023

Last 24 hours:
18.4mm

Last 48 hours:
29.6mm

Last 72 hours:
29.8mm

Forecast for Sunday 10 Dec 2023

Weather: Best chance of drier brighter fare early and late in the day, otherwise cloudy with area of rain crossing from the west, heaviest around mid-day.

Maximum wind: West to southwest initially mean 25mph with gusts reaching 40mph across most exposed ridges and summits, easing mean 15mph from mid-morning.

Chance of cloud-free hill tops above 600m: Generally 20% but 70% early and late in the day.

Low Cloud and visibility: Good, becoming moderate or poor in rain, very poor within cloud with bases generally extensive from 500m, but broken early and late in the day.

Temperature: **Valleys:** Plus 1 Celsius increasing 9 Celsius for the afternoon
At 600m: Plus 3-4 Celsius
Freezing level: Above summits